

**EPA GLNPO – Wisconsin State Capacity Grant
July 22, 2010**

1. Project Title: Wisconsin Capacity Grant for Lake-Wide Basin Programs- Lakewide Management Planning; RAP/AOC Program; and Quality Assurance and Accountability

2. Total Project Funding

Funding Year	Capacity Grant Request for WDNR	Pass Through Funds for UWEX	Total Capacity Funds to WDNR
2010*	\$1,411,703	\$68,000	\$1,479,703
2011	\$1,399,203		
2012*	\$1,411,703		
2013	\$1,399,203		
2014*	\$1,411,703		
Totals	\$7,033,515	\$68,000	Five Year Total \$7,101,515

* On the even years there will be an additional pass through of \$12,500 for the St. Louis AOC as agreed upon between WDNR and Minnesota DEQ. A similar arrangement with MDNRE is not being proposed at this time.

3. Applicant:

Wisconsin DNR
101 S. Webster Street
P.O. Box 7921
Madison, WI 53707-7921

4. Contact:

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

5. Project Abstract:

The Great Lakes Restoration Initiative (GLRI) provides a unique opportunity to advance restoration efforts in the Great Lakes by strategically targeting programs and projects to address the most serious problems that have persisted for decades. Designed as a five year initiative, GLRI will focus funding and efforts to address priorities identified in Lakewide Management Plans, Remedial Action Plans, the Great Lakes Regional Collaboration Strategy, and States' restoration plans. EPA-Great Lakes National Program Office is providing increased support to the State for LaMP program capacity in recognition of the additional workload in Wisconsin associated with GLRI. The large influx of funding for projects will require statewide coordination and management

direction across multiple agencies, programs and our partners to ensure a collaborative approach to restoration. With the increased funding opportunity comes additional responsibility to track and report on how public dollars are being spent towards stated priorities. Wisconsin has developed the following implementation plan for each year of the five-year GLRI Action Plan to describe the proposed work in Lake Superior and Lake Michigan, expected outcomes and deliverables, and level of program effort needed to successfully implement GLRI in Wisconsin.

6. Problem Statement:

GLRI funding means an accelerated rate in implementing priority actions from the Lakewide Management Plans and Remedial Action Plans. The increased workload associated with GLRI funded projects will severely stress the Wisconsin Department of Natural Resources (WDNR) workload associated with site design, permit evaluation and issuance, participation in partnership projects, and general project oversight. For the State to be able to plan for and meet its Cooperative Agreement obligations, a detailed program plan is needed that clearly articulates work plan activities. These activities include a focus on implementing Remedial Action Plan priorities in Areas of Concern (AOC) to make significant progress towards delisting Beneficial Use Impairments (BUIs). Each AOC in Wisconsin has agreed upon delisting targets and to developing delisting strategies to guide the development of projects and activities towards the goal of removing impairments. Wisconsin is committed to removing impairments and will seek the necessary staff resources to ensure effective project development, proper oversight, technical analysis and support, and to track progress towards reaching these goals.

Additional elements of the work plan provide coordination across the State to promote collaboration and effective project development in Wisconsin. This ensures the best use of public funding, science-based projects, and ensures that projects focus on State and Regional priorities to achieve overall LaMP, RAP and GLRI goals.

7. Proposed Work – Great Lakes Program

This is the work effort for each year of a 5 year GLRI effort to restore and protect the Great Lakes in Wisconsin. Key elements are the development of a delisting process for BUIs in our AOCs, implementation of projects focused on delisting activities, contaminated sediment clean-up projects, habitat restoration and protection projects, monitoring activities to track progress on our delisting targets and coordination with our partner groups to work effectively together to move the AOCs to delisting the BUIs. Program activities will support updates to the Lakewide Management Plans for Lake Superior and Lake Michigan as well as the Wisconsin Great Lakes Restoration and Protection Strategy and other relevant strategic plans.

Work to identify adaptations needed to prepare for the potential impacts of climate change will be coordinated through the Wisconsin Initiative Climate Change Impacts (WICCI). Wisconsin is a national leader with the Wisconsin Initiative on Climate Change Impacts. WICCI is a partnership between the University of Wisconsin, Wisconsin Department of Natural Resources, and other state agencies and institutions.

Its focus is on adaptation, and its Working Groups are the key components in those efforts so that projects will be developed with climate adaptation attributes.

Our 5 year work plan for the GLRI includes a new organization for the Office of the Great Lakes (OGL) that will enable us to provide the direction, coordination and necessary support for LaMP and AOC activities by expanding the Great Lakes program staff and program integration to meet the increase work efforts in these areas. Positions are needed in the Office of Great Lakes to coordinate Great Lakes policy statewide and participate in Great Lakes Basin regional coordination, while positions are needed in the Department's regional offices to implement the site-specific projects with partner groups in each of the five Areas of Concern (AOC) and LaMP responsibilities for Lake Superior and Lake Michigan. These positions are critical for making progress towards implementing key elements of the Lake Superior and Lake Michigan LaMPs as well as the delisting of Wisconsin's five Areas of Concern and meeting the GLRI Action Plan.

The positions listed in Table 1 will provide statewide and regional consistency and focus on the activities related to LaMP implementation, BUI delisting, monitoring and sediment remediation efforts. Increase communication throughout the basin will streamline processes and provide exchange of information between Lakes Michigan and Superior as well as between our five AOCs. Work activities will be coordinated with the UWEX Basin Educators, Great Lakes Commission and GLNPO. Work efforts will be communicated with the Coordinated Science & Monitoring Initiative (CSMI) to support the basin wide data exchange and meaningful monitoring data collection, interpretation and use. With the staff complement herein, WDNR can provide improved reporting, sharing our monitoring results and work efforts on GLRI progress to the public, other resource managers, and other state and federal agencies.

Effective Great Lakes protection/restoration must include sound resource planning, effective project development and implementation, and address changing human behavior to promote environmental stewardship. Through the GLRI projects, we can build community awareness, support, and participation in Great Lakes issues. By building partnerships and collaborating on a statewide basis, the WDNR can facilitate, contribute to and support outreach efforts of Wisconsin's GLRI projects.

An interactive web mapping application will be developed to provide reporting functions for the Office of the Great Lakes program staff on all GLRI statewide efforts. The reporting function will include standardized reports based on parameters that are in alignment and in support of and augment the Great Lakes Accountability System. The application would allow for a more efficient means to report on funding efforts across the Wisconsin portion of the Great Lakes and would allow WDNR to communicate more efficiently to U.S. EPA, the Governor's office, WDNR Secretary's office, state legislators and the general public on Great Lakes activities in the State. Integration with the U.S. EPA's Great Lakes Accountability System will be a key design element. WDNR fully expects to participate in any Exchange Network established for the GLRI and will factor that into the system design as well.

Details of proposed work activities and deliverables for the Lake Superior and Lake Michigan LaMPs and RAPs in the Great Lakes AOCs are identified in the position descriptions and work efforts described below.

Table 1, GLRI Capacity Positions

Position Title	Position Location	Focus
Director of the Office of Great Lakes [REDACTED]	Central Office	LaMP and AOC
LaMP and AOC Policy Development and Outreach Coordinator	Central Office	LaMP and AOC
AOC & LaMP Data Management /GIS	Central Office	LaMP and AOC
Great Lakes Quality Assurance Project Plan and Grant Coordinator	Central Office	LaMP and AOC
Lake Michigan LaMP Coordinator (existing)	NER/SER	Michigan LaMP
Lake Michigan LaMP – Sediment Data and Monitoring Coordinator	NER/SER	Michigan LaMP
Lake Superior LaMP Coordinator (existing)	NOR	Superior LaMP
Lake Superior LaMP – Sediment Data and Monitoring Coordinator	NOR	Superior LaMP
Milwaukee River AOC/RAP Project Coordinator	SER	AOC/RAP
Sheboygan River AOC/RAP Project Coordinator	SER	AOC/RAP
Menominee River AOC/RAP Project Coordinator	NER	AOC/RAP
Fox River AOC/RAP Project Coordinator	NER	AOC/RAP
St. Louis River AOC/RAP Project Coordinator	NOR	AOC/RAP
St. Louis River AOC/RAP Support Staff	NOR	AOC/RAP

Director of the Office of the Great Lakes
Office of the Great Lakes/Central Office, Madison, WI

Partial funding for Director of [REDACTED] of total salary + travel)

This position is responsible for overseeing implementation of Great Lakes management strategies and developing and assessing state, national and international policies for the Great Lakes watershed. As Director of the Great Lakes Program the person is the State of Wisconsin representative and spokesperson in multistate, national and international forums. This position is an advisor and participant in developing and translating interstate strategies and policies related to ecosystem management in the Great Lakes basin to Wisconsin based approaches. The position supervises a professional staff and directs the management of the Great Lakes restoration and protection funding. This position is also a member of the Water Division management team overseeing statewide delivery of water resources programs within the Department. Activities will include:

- Direct and oversee the operations of the Office of the Great Lakes
- Oversee implementation of the state efforts to implement the Great Lakes Regional Collaboration strategy and GLRI
- Responsible for the implementation and management oversight of Wisconsin's Great Lakes Strategy
- Propose annual milestones for measuring progress on efforts to restore the Great Lakes Ecosystems as part of the GLRI.

- Represent Wisconsin in the Great Lakes Regional Collaboration process to develop integrated regional initiatives and provide technical support to the Council of Great Lakes Governors staff
- Use state funding to encourage other DNR or state agency staff to seek funding from outside sources for Great Lakes project implementation
- Represent/coordinate the WDNR in the Great Lakes Water Quality Agreement amendment process.
- Represent WDNR on the State Coastal Council to participate in funding decisions and promote funding for state strategy implementation
- Support the implementation of the Great Lakes “Compact” to develop state procedures and to fulfill the state obligations under both the regional body and the Compact Council
- Provide technical support to the Council of Great Lakes Governors staff
- Participate in regional (state and provincial) initiatives related to compact implementation such as reviews of projects or programs in other jurisdictions
- Propose Great Lakes management policies and assess other’s (regional, other jurisdiction, tribal, municipal) policy proposal. Provide technical support for new legislation at the state and federal levels
- Identify needs and propose new policies as a response to those needs
- Provide technical assistance and reviews of policies proposed by other entities
- Provide technical support for state legislation
- Provide technical support for federal legislation
- Serve as Departmental expert on Great Lakes issues and represent DNR or Wisconsin interests in various regional organizations, policy discussions or regional management programs
- Represent Wisconsin on the Lake Superior and Lake Michigan LaMP interagency management team
- Participate in the IJC water level management study
- Represent Wisconsin in the Great Ships initiative
- Provide support for Great Lakes Commission efforts, and other regional organizations

LaMP and AOC Policy Development and Outreach Coordinator
Office of the Great Lakes/Central Office, Madison, WI

1 FTE for [REDACTED]

This position will provide oversight and policy development for the LaMP and AOC activities for Wisconsin DNR and coordinate statewide outreach efforts related to the Great Lakes Restoration Initiative, the LaMPs and RAP/AOC programs, and other WDNR programs with regulatory responsibilities in the Great Lakes (i.e. TMDL development and implementation). The outreach activities will facilitate and promote collaboration with educators and outreach specialists statewide that will be focused on science based information. Efforts will be coordinated with the University of

Wisconsin – Cooperative Extension and their Basin Educators work activities to provide complimentary services throughout the Wisconsin portion of the Great Lakes basin. Activities will include activities will include:

- Coordinate RAP program with Lakewide Management Plans (LaMPs).
- Provide statewide coordination between the nine positions related to LaMP and AOC activities to assure progress is consistent with Wisconsin Great Lakes Strategy. Communicate with EPA-GLNPO staff on progress and restoration efforts.
- Develop a delisting policy for the BUIs and oversee consistent implementation of the delisting process. Coordinate with appropriate DNR programs in the delisting process and report to administration and EPA on progress made towards delisting goals.
- Provide guidance on enhancing and coordinating Great Lakes efforts across state agencies programs.
- Participate in LaMP related programs such as State of the Lake Ecosystem Conference (SOLEC), the Cooperative Science and Monitoring Initiative (CSMI) and others.
- Participate in the Federal-State Areas of Concern Coordinating Committee conference calls
- Ensure public awareness and participation in Great Lakes restoration program and specific local issues and projects related to ecosystem protection and restoration activities.
- Prepare informational and educational materials on the AOC and LaMP program and specific local issues. Materials will include fact sheets, brochures, communication via Internet websites, electronic products, press releases, etc.
- Provide displays and outreach materials for public events that support our Great Lakes programs.
- Provide technical experts for presentations on topics of local interest at public forums.

2010/2011 - 2014/2015 deliverables

- Attendance at Lake Superior Bi-National, State of Lake Michigan, and State of the Lake Ecosystem conferences
- Develop delisting policy for BUIs in Wisconsin
- Develop state-wide and lakewide project proposals related to Great Lakes Monitoring
- Adapt Great Lakes monitoring plans to support delisting efforts
- Develop state-wide and lakewide project proposals related to AOC BUI delisting activities (e.g. fish tumor BUI)
- Annual status reports on efforts to delist of Beneficial Use Impairments
- Develop new outreach project proposals for funding opportunities
- Published fact sheets, brochures, and other promotional materials made available through a variety of media outlets (web, press releases, State Fairs, etc)
- Display materials for use at functions around the State
- Series of videos and fact sheets that highlight restoration successes under GLRI

- Coordination with all WDNR programs (Fisheries, Forestry, etc.) and external partners on outreach messages on Great Lakes restoration in the State
- Update web based media sites with current GLRI project progress
- Provide updates/reporting on GLAS

AOC & LaMP Data Management /GIS

Office of the Great Lakes/Central Office, Madison, WI

1 FTE for [REDACTED]

This position will coordinate with state partners, local Citizen Advisory Committees, other Department staff, and neighboring State environmental program staff (Minnesota and Michigan) to develop and maintain geospatial databases of AOC projects. Activities will include:

- Lead efforts to evaluate and assist in the development of decision support tools with an emphasis on using Web 2.0 interoperability and Open Geospatial Consortium (OGC) standards.
- Assemble relevant geospatial data including data provided via web mapping or web feature services, data exchanges, and other innovative methods for data sharing that will benefit ongoing restoration work and will be used in assessing progress made towards delisting of beneficial use impairments in AOCs, updating Watershed Fact sheets, and assessing status of the Lakes' ecosystems to support reporting in the Lakewide Management Plans. These data will be assembled in a manner that facilitates reporting milestones and measures of progress and will be structured to be fully integrated with the Great Lakes Accountability System (GLAS).
- Provide technical support for the updates to the Watershed Fact sheets in the LaMPs relevant to Wisconsin specific data.
- Assemble and maintain geospatial data on AOC activities and evaluate and/or develop decision support tools for the purpose of performing data analysis and track delisting efforts in Wisconsin's Areas of Concerns.
- Work with WDNR staff to evaluate data collection efforts to ensure sufficient information is collected to support LaMP reporting (indicators). Examples include wetland restoration tracking, potential updates to land cover data for Wisconsin, and fish habitat information.
- Coordinate with WDNR representatives on the Wisconsin Initiative on Climate Change Impacts (WICCI) to identify key data gaps needed to evaluate impacts of climate change and develop adaptation strategies through the Work Groups.
- Work with other state and federal agencies to provide data sharing and exchange opportunities.
- Participate in the Cooperative Science and Monitoring Initiative (CSMI) and other monitoring committees and groups.
- Enhance reports, websites, data request and other communications by using geospatial data analysis in the Great Lakes watershed.

- Evaluate geographic distribution of contaminants in relation to habitat values or other AOC impairments.
- Provide technical assistance on watershed and spatial information to external groups in the basin to help implement the Wisconsin Great Lakes Restoration Strategy
- Develop geospatial database for St. Louis River AOC as part of commitment to Minnesota in cooperative program.

2010/2011 - 2014/2015 deliverables

- Geospatial database for St. Louis River AOC
- Expansion of geospatial database for other AOCs on restoration activities
- Web-based mapping application that supports internal evaluation and reporting requirements for grants
- Inventory of spatial data sets that facilitate tracking and reporting on restoration progress. Inventory would include metadata (contact, data quality, and data access information)
- Watershed metrics to support fact sheets for LaMPs
- Identify data gaps needed for evaluating climate change impacts.
- Attendance at the Lake Superior Bi-National and State of the Lake Michigan conferences
- Incorporation of key data elements that support BUI delisting efforts into elements of the plan for 2011 Monitoring Field Year
- New project proposals for funding opportunities.

Great Lakes Quality Assurance Project Plan and Grant Coordinator Office of the Great Lakes - Central Office, Madison, WI

1 FTE for [REDACTED]

This position will work within the Great Lakes basin on developing a Great Lakes Quality Management Program (QMP) which is required for all GLRI funds. Primary responsibilities will be to assure development of approved Great Lakes Quality Assurance Project Plans (QAPPs) for all projects related to data acquisition. This position will also be the Wisconsin's liaison to Federal agencies on their Great Lakes programs, particularly in the coordination of grant funds which are available to advance our efforts on restoration of the Great Lakes. Activities will include:

- Acts as a liaison between WDNR and GLNPO's Quality Staff on matters of quality policy.
- Develop a Great Lakes QMP and revise as necessary.
- Review QAPPs for all projects involving data acquisition that are funded by EPA. Addresses state compliance with existing and new QAPPs with the EPA project officer and assures that there is an approved QAPP prior to data collection. Ensure QAPP requirements are met during project development and adherence to the QAPP throughout the project: including, audits/reviews to assure adherence to approved quality system documentation and QA/QC systems.
- Track all quality system documentation using GLNPO's QA Track Database.

- Provide reports and tracking requirements into appropriate EPA systems.
- Provide technical assistance to project managers.
- Participate in necessary regional and national training, workshops, conference calls and meetings as required for maintaining the Quality Assurance Position.
- Coordinate grant opportunities for Great Lakes projects and initiatives within State agencies and partner groups.
- Track RFPs for all Federal GLRI and other grant opportunities and match with WI projects.
- Work with Federal agencies on grant requirements and reporting.
- Work with staff and partners in developing grant applications/proposals and submittals.
- Participate in the Cooperative Science and Monitoring Initiative (CSMI) and other monitoring committees and groups.
- Provide training to potential grant recipients (both internal and external) on best practices for grant reporting.
- Review and match grant applications and project proposals to Federal grant sources.
- Review application for consistency with grant request for proposal (RFP) and Department policy and procedures.
- Provide guidance on enhancing and coordinating Great Lakes efforts across state agencies programs.

2010/2011 - 2014/2015 deliverables

- QAPP plans for GLRI Funded projects
- Track QAPP monitoring and reporting for GLRI Funded projects
- Semi-annual report that documents progress on the Quality Management Program
- Coordinate and oversee activities for the 2011 Monitoring Field Year
- Develop QAPP for new project proposals for funding
- Establish peer review process
- Attend Lake Superior Bi-National conference, SOLEC, State of Lake Michigan Conference
- Oversee GLRI Funded projects
- Communicate with PAC and attend meetings to provide updates on grant funding opportunities and GLRI funded project updates.
- Develop new project proposals for funding opportunities.

7A. Lake Michigan and Lake Superior LaMP Positions: WDNR currently has two LaMP project coordinator positions (2009 grant GL-00E58901); one in Lake Michigan and one for Lake Superior. Wisconsin will hire two additional LaMP positions as Sediment Data and Monitoring Coordinators, one for Lake Michigan LaMP and one Lake Superior LaMP. These positions will focus on LaMP implementation and will be a critical addition to the technical support for LaMPs on both Great Lakes. Total funding for the four LaMP positions is [REDACTED]

Adding additional staff will allow for more detailed workplan development that lays out a strategy for implementation of key Lake Michigan and Lake Superior Lakewide Management Plan priorities and projects. DNR will work with partners, other agencies and the public in developing a detailed workplan will also help implement the 5 year GLRI effort to restore and protect the Great Lakes in Wisconsin.

Program activities will support implementation of critical projects of the Lake Michigan and Lake Superior LaMPs as well as fact sheets, annual updates, workplans and planning for the 5-year LaMP report and periodic updates. It will also support Wisconsin Great Lakes Restoration and Protection Strategy and other relevant strategic plans. This workplan supports adaptive planning, projects and actions needed to prepare for the potential impacts of climate change. These actions will be coordinated through the Wisconsin Initiative Climate Change Impacts (WICCI). WICCI is a partnership between the University of Wisconsin, Wisconsin Department of Natural Resources, and other state agencies and institutions. Its focus is on adaptation, and its Working Groups are the key components in those efforts. WDNR is a leader in working to incorporate adaptation planning and projects in the normal course of agency business.

This workplan will help to implement key provisions of the Lake Superior Aquatics Invasive Species Complete Prevention Plan.

Lake Michigan LaMP Coordinator

Southeast Region (SER) – Plymouth, WI; or other office in SER

1 FTE for [REDACTED]

This position will work on the Lake Michigan LaMP activities and is part of our 2009 grant GL-00E58901 commitment. These activities will continue and include:

- Coordination of staff and external efforts related to the Lake Michigan LaMP and RAP,
- Implementation of the Wisconsin Great Lakes Restoration Strategy.
- Coordinate LaMP implementation projects with staff and partner groups.
- Participate on the LaMP Technical Coordinating Committee (TCC), the TRS, the Lake Michigan Monitoring Coordinating Council, the Lake Michigan State of the Lakes Conference, the Lake Michigan Habitat Committee and interact with the Lake Michigan Forum and related public interest groups.
- Coordinate development and implementation of Lake Michigan monitoring plan to be consistent with Wisconsin's overall Great Lakes monitoring plan.
- Coordinate and oversee activities for the 2010 Monitoring Field Year.
- Counsel and coordinate other Lake Michigan positions to assure consistent approaches in addressing AOC and various Great Lakes issues.
- Coordinate with Wisconsin Initiative on Climate Change Impacts (WICCI) Workgroups to identify adaptation strategies for potential impacts of climate change.
- Work on issues relating to Lakewide Biodiversity Strategy, climate change, Invasive Species, Drinking Water Source Protection and conservation plans.

- Advance the efforts of the sustainable Harbors and Green Marinas Strategy.
- Broaden and expand on public outreach, formal and informal education projects and P2 activities.
- Report out on activities for SOLEC, web based reports, LaMP annual update, five year LaMP, State of Lake Michigan and other meetings.
- Support efforts to update Stage II RAPs for Lake Michigan AOCs

2010/2011 - 2014/2015 deliverables

- Attend and help coordinate the State of Lake Michigan conference
- Coordination and oversight of activities for the 2010 Monitoring Field Year
- New project proposals for funding that further LaMP and Great Lakes Strategy goals
- Participation in Lake Michigan Forum meetings
- Summarize information with Wisconsin specific details for LaMP updates
- Integration of Lake Michigan and AOC issues into the Harbors and Green Marinas Strategy
- Outreach materials published on the Office of the Great Lakes website
- Contribute to LaMP updates, fact sheets, and reports

Lake Michigan LaMP - Sediment Data and Monitoring Coordinator

Northeast Region (NER), Green Bay, WI

1 FTE for [REDACTED]

This position will work on the Lake Michigan LaMP activities related to Sediment Data and Monitoring. Activities will include:

- Coordinate sediment quality evaluations and data management for the Lake Michigan Basin including AOCs and other contaminated sediment sites.
- Coordinate and implement the Lake Michigan monitoring activities for GLRI accountability.
- Provide analytical support and scientific/technical expertise on LaMP goals, RAP/AOC programs and implementation projects.
- Provide technical information and assistance to the local PAC.
- Participate in the Cooperative Science and Monitoring Initiative (CSMI) and other monitoring committees and groups.
- Coordinate with Central Office on data documentation and data entry for Surface Water Integrated Monitoring System
- Support efforts to update Stage II RAPs for Lake Michigan AOCs
- Support work efforts for Legacy & Superfund projects in the Lake Michigan Basin

2010/2011 - 2014/2015 deliverables

- Attendance at State of Lake Michigan conference
- Participation in Lake Michigan Monitoring Coordinating Council meetings
- Oversight on GLRI funded projects relating to contaminated sediments

- Oversight on GLRI funded projects that work towards delisting of Beneficial Use Impairments in the Sheboygan, Milwaukee, Green Bay and Menominee Areas of Concern
- Coordination with Central Office on data documentation and data entry for Wisconsin's Surface Water Integrated Monitoring System (SWIMS) and GLNPO's Great Lakes Accountability System (GLAS). SWIMS is Wisconsin's repository for water and sediment monitoring data collected for Clean Water Act work and is submitted directly to the publicly-accessible STORET Data Warehouse through the federal Water Quality Exchange Network framework.
- Coordination with other programs in WDNR to develop deliverables and contractual processes for creating and expanding contaminant databases.
- Coordination and oversight of activities for the 2010 Monitoring Field Year
- New project proposals for funding opportunities
- Standardize data collection methods and incorporate into Department database management systems
- Summary report on status of cleanup efforts to address contaminant sub goals of the LaMP

Lake Superior LaMP Coordinator
Northern Region, Superior, WI

1 FTE for [REDACTED]

This position will work on the Lake Superior LaMP activities and is part of our 2009 grant GL-00E58901 commitment. Because of the strong bi-national focus in the Lake Superior region, these activities will be closely coordinated with the States of Minnesota and Michigan, U.S. tribal governments, and Canadian partners. These activities will continue and include:

- Coordination of staff and external efforts related to the Lake Superior Binational Program / LaMP and RAP.
- Coordinate implementation of the Wisconsin Great Lakes Restoration Strategy in the Lake Superior basin.
- Binational Program / LaMP implementation project coordination.
- Represent Wisconsin DNR on Lake Superior Binational Program Superior Work Group (government agencies).
- Participate in Superior Work Group committee work including that of the habitat and chemical committees with other government agencies around the basin.
- Provide Wisconsin DNR liaison to the Superior BiNational Forum citizen's organization and to other public interest groups in the basin.
- Coordinate with Wisconsin Initiative on Climate Change Impacts (WICCI) Workgroups to identify adaptation strategies for potential impacts of climate change and provide liaison to Lake Superior Binational Program.
- Broaden and expand on Public outreach, formal and informal education projects and P2 activities.

- Report out on activities for SOLEC, web based reports, LaMP annual update, five year LaMP, Lake Superior conferences as appropriate, and other meetings.
- Support efforts to update Stage II RAP for St Louis River AOC
- Continue participation in Cooperative Science and Monitoring Initiative (CSMI) and other Lake Superior monitoring activities including coordination of development and implementation of Lake Superior monitoring plan.

2010/2011 - 2014/2015 deliverables

- Participation in Lake Superior Binational Program / LaMP Superior Work Group meetings, conference calls, and activities
- Attendance at the Lake Superior Bi-National conference and partnership meetings
- Oversight of GLRI funded projects for Lake Superior
- Development of Wisconsin Lake Superior nearshore monitoring plan
- Develop new LS priority project proposals for funding opportunities
- Coordination of activities for National Coastal Condition Assessment (NCCA) within Lake Superior in Wisconsin and other LaMP and DNR nearshore monitoring activities in the 2010 – 2011 field Year.
- Technical assistance and coordination with local watershed groups.
- Annual summary of Lake Superior protection and restoration efforts
- Contribute to LaMP updates, fact sheets, reports, etc. as necessary

Lake Superior LaMP - Sediment Data and Monitoring Coordinator

Northern Region (NOR), Superior or Ashland, WI

1 FTE for [REDACTED]

This position will work on the Lake Superior LaMP activities related to Sediment Data and Monitoring. Because of the strong bi-national focus in the Lake Superior region, these activities will be closely coordinated with the State of Minnesota, First Nations in the region and Canadian partners. Activities will include:

- Coordinate sediment quality evaluations and data management for the Lake Superior Basin including AOCs and other contaminated sediment sites.
- Coordinate and implement the Lake Superior monitoring activities for GLRI accountability.
- Provide analytical support and scientific/technical expertise on LaMP goals, RAP/AOC programs and implementation projects.
- Provide technical information and assistance to the local PAC.
- Participate in the Cooperative Science and Monitoring Initiative (CSMI) and other monitoring committees and groups.
- Oversight on GLRI funded projects that work towards delisting of Beneficial Use Impairments in the St Louis River Area of Concern
- Coordinate with Minnesota PCA and other programs in WDNR to develop deliverables and contractual processes for creating and expanding contaminant databases

- Participate in appropriate Lake Superior Binational Program Superior Work Group committees
- Participate in oversight and coordination along with the St Louis River AOC Coordinator of the St. Louis River TMDL which will be pursued jointly by Minnesota and Wisconsin
- Identify opportunities for remediation to restoration projects on Lake Superior and assist in the scoping and development of appropriate sediment remediation and habitat restoration projects.
- Participate in St. Louis River National Estuary Research Reserve research and monitoring committee.
- Support efforts to update Stage II RAP for St Louis River AOC
- Support work efforts for Legacy & Superfund projects in the Lake Superior Basin

2010/2011 - 2014/2015 deliverables

- Attendance at the Lake Superior Bi-National conference
- Participation in Lake Superior Bi-National meetings
- Oversight on GLRI funded projects
- Coordination and oversight on activities for the 2011 Monitoring Field Year
- Coordination of Great Lakes Legacy Act contaminated sediment assessment and possible remediation projects
- Coordination with Central Office on data documentation and data entry for Wisconsin's Surface Water Integrated Monitoring System (SWIMS) and GLNPO's Great Lakes Accountability System (GLAS). SWIMS is Wisconsin's repository for water and sediment monitoring data collected for Clean Water Act work and is submitted directly to the publicly-accessible STORET Data Warehouse through the federal Water Quality Exchange Network framework.
- Information and assessment of gaps on Wisconsin AIS efforts in the Lake Superior basin in support of the Binational Program's AIS Total Prevention Plan for Lake Superior.
- Assistance to WDNR AIS Team in developing approaches to address gaps identified.
- New project proposals for funding opportunities
- Standardize data collection to incorporate WDNR's Locational Data Standards
- Summary report on status of cleanup efforts that may be used for LaMP update or updates to other strategic plans relevant to Lake Superior area
- Participation in development of TMDL for the St. Louis River which will be pursued jointly by Minnesota and Wisconsin

7B. Proposed Work – For the Five Wisconsin AOCs: WDNR will hire a Full-time employee project position for each of Wisconsin's AOCs. These positions will focus on each AOC, RAP implementation and delisting BUIs. Funding for the five AOC positions and AOC support (monitoring and PAC pass through) is [REDACTED]. Wisconsin has the goal of delisting 10 BUIs by 2014 in our 5 AOCs to meet the overall GLRI Action Plan.

This will be dependent upon successful competition for GLRI grants towards BUI delisting activities.

The workplan will focus on those critical actions that will lead directly to the delisting of BUIs in AOCs. Key elements are the development of a delisting process for BUIs in our AOCs, implementation of projects focused on delisting activities, contaminated sediment clean-up projects, habitat restoration and protection projects, monitoring activities to track progress on our delisting targets and coordination with our partner groups to work effectively together to move the AOCs to delisting the BUIs.

Milwaukee River AOC/RAP Project Coordinator
Southeast Region (SER), Milwaukee, WI

1 Project position for [REDACTED]

This position will work on the Milwaukee River AOC/RAP project coordinator and their activities will include:

- Identify, implement, and coordinate projects for AOC delisting with local partners in the Milwaukee AOC.
- Develop a BUI Delisting Strategy with a tracking and documentation process for the Milwaukee AOC.
- Improve the rate of initiation and completion of projects towards delisting BUIs.
- Interface with stakeholder groups particularly the PAC to provide technical information and assistance.
- Work on project development and grant opportunities for projects identified in the RAP and to meet the Great Lakes Strategy goals and objectives.
- Actively work with Stakeholders and local partners in project implementation.
- Complete update/Stage 2 RAP document by June 30, 2011. This includes complete file record.
- Report on progress of the AOC program using GLAS.
- Provide financial support to the local PACs for planning and project scoping, publishing, mailings, etc.
- Collaborate with the AOC/LaMP Data Manager/GIS position to address local data management, selection of appropriate GIS decision support tools, and mapping needs in support of BUI delisting. Relate state-level monitoring and data management efforts to the local level.
- Work closely with the implementation of projects with the Southeastern Wisconsin Watersheds Trust.
- Contribute to quarterly newsletter on AOC activities and program efforts.
- Contribute to the Legacy project on Lincoln Park.
- Conduct water quality sampling in the AOC.
- Coordinate with LaMP and AOC Data Coordinator to address local data management, GIS, and mapping needs in support of BUI delisting
- Relate state-level monitoring and data management efforts to the local level

2010/2011 - 2014/2015 deliverables

- Attendance at State of Lake Michigan conference
- Oversight of GLRI Funded projects
- Quarterly newsletter on AOC activities and program efforts
- Monitoring data collected to support BUI delisting efforts
- Identification of AOC related needs for the 2011 Monitoring Field Year

Sheboygan River AOC Project Coordinator
Southeast Region (SER), Sheboygan, WI

1 Project position for [REDACTED]

This position will work on the Sheboygan River AOC/RAP project coordinator and their activities will include:

- Consult with the Sheboygan Basin Team leader and the Office of Great Lakes on BUI delisting priorities and proposed pathways towards BUI delisting.
- Use the existing Sheboygan AOC delisting targets report to identify, implement, and coordinate projects for AOC delisting with local partners and other agency stakeholders in the Sheboygan Area of Concern
- Represent the Department on all Sheboygan AOC technical advisory committees
- Work with the Office of Great Lakes and the Lake Michigan LAMP coordinator on development and use of the State AOC delisting process.
- Develop BUI Delisting Strategy with a tracking and documentation process for the Sheboygan AOC.
- Improve the rate of initiation and completion of projects towards delisting BUIs.
- Work on project development and grant opportunities for projects identified in the AOC and to meet the Great Lakes Strategy goals and objectives.
- Actively work with Stakeholders and local partners in project implementation.
- Complete update/Stage 2 RAP document by June 30, 2011. This includes complete file record.
- Report on progress of the AOC program using GLAS.
- Work closely with the basin supervisor, basin educator and the local partners on planning, project scoping and information or education efforts. Identify possible funding sources to carry out these activities.
- Work closely with the Office of Great Lakes data quality assurance and GIS staff positions to address local data management, GIS, and mapping needs in support of BUI delisting and to relate state-level monitoring and data management efforts to the local level.
- Actively participate on the DNR team working on a potential legacy act dredging project in Sheboygan.

2010/2011 - 2014/2015 deliverables

- Attendance at State of Lake Michigan conference

- Oversight of GLRI Funded projects
- Develop BUI Delisting Strategy
- Monitoring plan for BUI delisting
- Update/Stage 2 RAP document by June 30, 2011. This includes complete file record.
- Identification of AOC related needs for the 2011 Monitoring Field Year Oversight on GLRI Funded projects for Sheboygan River AOC
- New project proposals for funding opportunities

Menominee River AOC Project Coordinator
Northeast Region (NER), Green Bay or Peshtigo, WI

1 Project position for [REDACTED]

This position will work on the Menominee River AOC/RAP project coordinator and their activities will include:

- Identify, implement, and coordinate projects for AOC delisting with local partners in each AOC
- Develop BUI Delisting Strategy with a tracking and documentation process for the Menominee River AOC.
- Improve the rate of initiation and completion of projects towards delisting BUIs.
- Interface with stakeholder groups particularly the PAC to provide technical information and assistance.
- Work on project development and grant opportunities for projects identified in the RAP and to meet the Great Lakes Strategy goals and objectives.
- Actively work with Stakeholders and local partners in project implementation.
- Report on progress of the AOC program using GLAS.
- Coordinate all of these efforts with Michigan DEQ and Michigan DNR.
- Provide financial support to the local PACs for planning and project scoping, publishing, mailings, etc.
- Collaborate with the AOC/LaMP Data Manager/GIS position to address local data management, selection of appropriate GIS decision support tools, and mapping needs in support of BUI delisting. Relate state-level monitoring and data management efforts to the local level.

2010/2011 - 2014/2015 deliverables

- Develop a BUI Delisting Strategy
- Monitoring plan for BUI delisting
- Attendance at State of Lake Michigan conference
- Oversee GLRI Funded projects
- Update/Stage 2 RAP document by June 30, 2011. This includes complete file record.
- Identification of AOC related needs for the 2011 Monitoring Field Year
- Oversight on GLRI Funded projects for Menominee River AOC
- New project proposals for funding opportunities

Fox River AOC Project Coordinator
Northeast Region (NER), Green Bay, WI

1 Project position for [REDACTED]

This position will work on the Green Bay River AOC/RAP project coordinator and their activities will include:

- Identify, implement, and coordinate projects for AOC delisting with local partners in each AOC
- Develop a BUI Delisting Strategy with a tracking and documentation process for the Fox River AOC.
- Improve the rate of initiation and completion of projects towards delisting BUIs.
- Interface with stakeholder groups particularly the PAC to provide technical information and assistance.
- Work on project development and grant opportunities for projects identified in the RAP and to meet the Great Lakes Strategy goals and objectives.
- Actively work with Stakeholders and local partners in project implementation.
- Report on progress of the AOC program using GLAS.
- Provide financial support to the local PACs for planning and project scoping, publishing, mailings, etc.
- Collaborate with the AOC/LaMP Data Manager/GIS position to address local data management, selection of appropriate GIS decision support tools, and mapping needs in support of BUI delisting. Relate state-level monitoring and data management efforts to the local level.

2010/2011 - 2014/2015 deliverables

- Develop a BUI Delisting Strategy
- Monitoring plan for BUI delisting
- Attendance at State of Lake Michigan conference
- Oversight on GLRI Funded projects for Lower Fox River/Green Bay AOC
- Update/Stage 2 RAP document by June 30, 2011. This includes complete file record.
- Coordination and oversight of activities for the 2011 Monitoring Field Year
- Oversight of GLRI Funded projects
- New project proposals for funding

St. Louis River AOC/RAP Project Coordinator
Northern Region (NOR), Superior, WI

1 Project position for [REDACTED]

This position will work on the St. Louis River AOC/RAP project coordinator and their activities will include:

- Identify, implement, and coordinate projects for AOC delisting with local partners in each AOC
- Develop a BUI Delisting Strategy with a tracking and documentation process for the Fox River AOC.
- Improve the rate of initiation and completion of projects towards delisting BUIs.
- Interface with stakeholder groups particularly the PAC to provide technical information and assistance.
- Work on project development and grant opportunities for projects identified in the RAP and to meet the Great Lakes Strategy goals and objectives.
- Actively work with Stakeholders and local partners in project implementation.
- Report on progress of the AOC program using GLAS.
- Coordinate all of these efforts with Minnesota PCA and Minnesota DNR.
- Provide financial support to the local PACs for planning and project scoping, publishing, mailings, etc. Oversee funding agreement implementation.
- Collaborate with the AOC/LaMP Data Manager/GIS position to address local data management, selection of appropriate GIS decision support tools, and mapping needs in support of BUI delisting. Relate state-level monitoring and data management efforts to the local level.
- Participate in St. Louis River TMDL
- Coordinate with the LaMP sediment data and monitoring coordinator to analyze AOC contaminated sediment data.

2010/2011 - 2014/2015 deliverables

- Develop a BUI Delisting Strategy
- Monitoring plan for BUI delisting
- Attendance at Lake Superior Bi-National conference
- Participation in Lake Superior Bi-National meetings
- Oversight of GLRI Funded projects
- Oversight of the development of the St. Louis River comprehensive delisting framework that will provide a strategy for priority sediment cleanups and habitat restoration projects with actions outlined for reportable progress toward delisting.
- Update/Stage 2 RAP document by June 30, 2011. This includes complete file record.

St. Louis River AOC/RAP Support Staff Northern Region (NOR), Superior, WI

1 Limited Term Employee position, Half time 1040 hours [REDACTED]

This position will work with the St. Louis River AOC/RAP project coordinator and LaMP positions to provide assistance to the following activities which will include:

- Participate in project development and implementation.
- Implement field monitoring activities in the AOC and Lake Superior basin in support of the Binational, AOC, and Wisconsin – specific monitoring projects

- Ensure all data are entered into appropriate state databases and ensure data locational standards are met.
- Conduct data analyses to determine and report on progress toward meeting ecosystem goals through the basin.
- Improve the rate of initiation and completion of projects towards delisting BUIs.
- Assist in completion of update/Stage 2 RAP document by June 30, 2011. This includes complete file record.

2010/2011 - 2014/2015 deliverables

- Monitoring data obtained according to developed plans and projects
- Evaluation of data based on ecosystem goals and objectives
- Data entered into appropriate databases and results documented and evaluated. Monitoring progress reports are prepared.

8. Proposed work outcomes and products, expected environmental outcomes and results

The work outcomes and products are described in the deliverables identified with each of the positions above.

9. Measuring Progress

- WDNR will monitor progress through the implementation of projects awarded under GLRI.
- Each AOC/RAP Coordinator will be responsible for annual status reports on projects implemented to address beneficial use impairments and will provide an updated/Stage 2 RAP document for their AOC. Overall AOC progress will be coordinated in the Office of the Great Lakes.
- Funded projects will be matched against the delisting plan for each AOC.
- Goals and objectives in the Wisconsin Great Lakes Restoration and Protection Strategy will be evaluated against funded project outcomes. These goals and objectives will be adjusted to reflect new priorities based on monitoring results and partner feedback.
- We will work with monitoring programs and partners to adapt Great Lakes monitoring efforts that support delisting efforts identified in each AOC Delisting Strategy.
- Delisting of Beneficial Use Impairments will be evaluated to assure that they are long term solutions addressing the extent and sources of impairments. Projects that address specific sources of impairments will use quantitative tracking methods (amount of sediment remediated, amount and type of habitat restored, miles of fish passage opened, etc) with a long term goal of monitoring and tracking restored beneficial uses. The goal will be to delist 10 BUIs in Wisconsin's AOCs by 2014 to meet the overall GLRI Action Plan objectives. This will be dependent on successful competition for BUI delisting projects and science-based monitoring data.
- Number of outreach events where Great Lakes issues are presented. Number and type of outreach materials developed and used at these events. Estimated number of

people reached through these efforts. Effectiveness of outreach efforts will be evaluated.

- Improved internal data management for contaminated sediment, wildlife contaminant, and data management systems that facilitates tracking restoration efforts and data sharing.

10. Project Milestones

Table of Deliverables

	Topic	Expected Outcomes
Areas of Concern	Areas of Concern (statewide)	Better planning tools for selecting and developing restoration projects.
		Reference sites for habitat BUIs are identified.
		Data collection efforts in AOCs support evaluation of delisting targets.
		Statewide database of wildlife contaminants is completed and made accessible to WDNR staff.
	Sheboygan River AOC	Floodplain cleanup action that is part of the Superfund Cleanup is implemented.
		Ecological assessment of habitat and species is completed.
	Milwaukee River Estuary AOC	The project to excavate and dispose offsite of contaminated sediment in Lincoln Park/Milwaukee River is underway.
		Fish habitat improved along the Menomonee River.
	Menominee River AOC	Existing lake sturgeon populations are reconnected with historic spawning and rearing habitat in the Menominee River.
		Total Body Contact BUI is delisted
	St Louis River AOC	10% of known degraded habitat is rehabilitated through implementation of projects.
		Excessive sediment loading

		from a contributing watershed has been reduced.
Lakewide Management Plans	Goals and objectives in the Lakewide Management Plans, Wisconsin Great Lakes Restoration and Protection Strategy, and other relevant plans will be evaluated against funded project outcomes.	Updated Wisconsin's Great Lakes Restoration and Protection Strategy to reflect adjusted goals and objectives.
Monitoring / Data Management	Improved internal data management for contaminated sediment, wildlife contaminant, and data management systems that facilitates tracking restoration efforts and data sharing.	Monitoring data for each AOC is up-to-date in department data management systems Staff have access to relevant wildlife contaminant data
	We will work with monitoring programs and partners to adapt Great Lakes monitoring efforts that support delisting efforts.	
	Contractual processes for creating and expanding contaminant databases with Minnesota is completed.	
Outreach	Report on number of outreach events where Great Lakes issues are presented.	
	Report on number and type of outreach materials developed and used at these events.	
	Report on estimated number of people reached through outreach efforts.	

11. Project Budget

The Budget table provides the breakdown for the positions and support funding outlined in this application. On the even years there will be an additional pass through of [REDACTED] for the St. Louis AOC as agreed upon between WDNR and Minnesota DEQ.

Additional Travel and Information Technology Considerations:

Meetings and Conference Travel Support

Successful program implementation is dependent on participation from many disciplines in various WDNR programs and other State staff to provide technical information and assistance on subjects such as remediation of contaminated sediments, state water quality

standards, fish and wildlife consumption advisories, control of nonpoint sources, wetlands restoration and management, and restoration and protection of native habitat. Funding to cover travel expenses is requested so these staff may fully participate in activities that include (but are not limited to) conducting field monitoring and site visits, assisting with designing AOC projects to ensure delisting targets are scientifically defensible, and attending meetings and conferences critical to overall development of delisting strategies, project oversight and Great Lakes management.

Also travel allowance for the Director of the Office of the Great Lakes at [REDACTED] and new and existing positions is [REDACTED]/year to allow staff to attend various regional conferences, training and meetings related to Great Lakes management (LaMPs, AOCs, QAPPs etc.).

The LaMP/AOC and Outreach position includes [REDACTED] in the other line item to include for cost for outreach materials such as displays, video, website redesign and updates, and other means of information sharing.

Information Technology Support

The success of this work effort will also depend on effective use of information technology most notably Geographic Information System and web based decision support tools. We will build a tracking system that integrates with the Great Lakes Accountability System to the extent possible and which will fulfill Quality System Documentation, Data Reporting and Electronic Reporting requirements. Select positions below will need hardware and software with sufficient capabilities to support work activities and to allow effective integration with external partners. The Department's standard GIS software provider is Environmental Systems Research Institute, Inc (ESRI) products most notably ArcGIS Desktop and Spatial Analyst and 3-D Analyst extensions that provide enhanced analytical tools. The Wisconsin Department of Natural Resources has been using Geographic Information Systems since the mid-1980's and has invested considerable time and effort into integrating this technology into routine program activities, enterprise-wide database management systems, and web based tools. This investment will greatly improve our ability to effectively and efficiently use information technology to support AOC, RAP and LaMP program goals.

Wisconsin Great Lakes Capacity Grant					Prepared 07/12/2010				
Position Title	Position Location	Personnel/ Salaries	Fringe (48.59%)	Supplies	Travel	Contractual	Other	Indirect	Total
Director of the Office of the Great Lakes	CO	██████	██████	██	██████	██	██	██████	██████
Great Lakes Quality Assurance Project Plan (QAPP) & Grant Coordinator	CO	██████	██████	██	██████	██	██████	██████	██████
LaMP& AOC Policy Development and Outreach Coordinator	CO	██████	██████	██	██████	██	██████	██████	██████
AOC & LaMP Data Management /GIS	CO	██████	██████	██	██████	██	██████	██████	██████
Lake Michigan LaMP Coordinator (existing)	SER/NER	██████	██████	██	██████	██	██████	██████	██████
Lake Michigan LaMP – Sediment Data and Monitoring Coordinator	SER/NER	██████	██████	██	██████	██	██████	██████	██████
Lake Superior LaMP Coordinator (existing)	NOR	██████	██████	██	██████	██	██████	██████	██████
Lake Superior LaMP –Sediment Data and Monitoring Coordinator	NOR	██████	██████	██	██████	██	██████	██████	██████
Milwaukee River AOC/RAP Project Coordinator	SER	██████	██████	██	██████	██	██████	██████	██████
Sheboygan River AOC/RAP Project Coordinator	SER	██████	██████	██	██████	██	██████	██████	██████
Menominee River AOC/RAP Project Coordinator	NER	██████	██████	██	██████	██	██████	██████	██████
Fox River AOC/RAP Project Coordinator	NER	██████	██████	██	██████	██	██████	██████	██████
St. Louis River AOC/RAP Project Coordinator	NOR	██████	██████	██	██████	██	██████	██████	██████
St. Louis River AOC/RAP Support Staff	NOR	██████	██████	██	██████	██	██████	██████	██████
Monitoring - 3 State AOCs + 2 Shared AOCs						██████			██████
Public Advisory Committee pass through - 4 State AOCs + 1 Shared AOCs. On even years \$12,500 will be included for St. Louis AOC						██████			██████
IT Services/Support							██████		██████
Other program support and travel (Fisheries, Wildlife,					██████				██████
TOTAL									
Annual Total		██████	██████	██████	██████	██████	██████	██████	██████
US Co-Chair Sustainability Committee – Lake Superior									██████

* On the even years there will be an additional pass through of ██████ for the St. Louis River AOC as agreed upon between WDNR and Minnesota DEQ. The Annual Total for odd years will be ██████